

LAMBDA

21

Laurentian University

THURSDAY, MARCH 7, 1991

Hutchison Defends LOCS from Accusations

By: Chris Land

In an interview with Lambda, Paul Hutchison, president of LOCS, and Chris Robson Vice-President denied the validity of SGA charges that Paul has misappropriated approximately \$1300 from the account of Laurentian Off-Campus Students. Last week we reported that SGA had moved and tabled a motion to suspend further funding to LOCS until president Paul Hutchison resigns. He has been unable to verify money allocations which has lead to thinly veiled accusations that he has acted dishonestly.

When confronted with this accusation his response was simply, "Absolutely not". It is his contention that receipts for these allocations have simply been misplaced. He admits that his accounting practices have been less than perfect but all money allocations made were for the benefit of the organization's members. To prove this he supplied a list of money that was spent during LOCS Frosh week;

Events Day	\$140.50
Photo copies	\$55.13
Bus to Sudbury Downs	\$210.00
T-Shirts	\$56.70
Logo	\$48.60
Courier	\$20.80
Frosh kit pickup	\$22.00
Phone	\$226.08
Workers meals	\$230.27
2 returned kits	\$50.00
membership cards	\$54.00
Total	1114.08

Paul contends that even though he cannot produce receipts for these expenses, the events that took place and the other materials that exist, such as the T-shirts, are proof that LOCS money was spent for the benefit of its members.

Another criticism leveled by SGA is the \$500 honorarium that was paid to Paul Hutchison by LOCS. He contends that this money was fair compensation for the two weeks of full-

time work that he put in to set up LOCS frosh week activities, not for his responsibilities as president throughout the year.

When discussing the role of LOCS here at Laurentian, Paul said that this organization could be a great compliment to both the Students' General Association and the affiliated colleges. He thinks that the residences feel threatened because he is questioning the distribution of the student college fee funds. Here at Laurentian, with the exception of University of Sudbury, the people who administer the college fees paid by all students, not in a pro-school, are the same people who look after residence activities. Paul Hutchison feels that this conflict of interest leads to a disproportionate amount of college fees going to benefit students living in residence, not all the students with the affiliated college.

Many off campus students feel that they are unwelcome if they try to

participate with the colleges during events like frosh week or carney week. Because of this LOCS has worked to provide social opportunities specifically for students that do not live in residence. These events are also organized to recognize the students that are not of legal age. This year LOCS have also represented off-campus students on the following committees within the Laurentian community; the Sexual Harassment Education and Complaints Comitee, the SGA Constitutional Committee, and they also collected a total of 575 signatures on a petition to keep the Employment centre on campus. Paul hopes that in the future LOCS can get off-campus students involved in more events and make their University experience more memorable.

L.U. Skiers Compete at Canada Winter Games

During the week of February 25 to March 1 five nordic skiers from Laurentian University travelled to Charlottetown, P.E.I. to compete in the Canada Winter Games. Wendy Davis, this year's OWIAA champion came away with a total of 3 silver medals and 1 gold. On the final day of competition Wendy teamed up with Laurentian teammate Shannon Dunn and two other Ontario skiers to capture a silver medal in the women's 4x5km relay. Shannon also had an impressive individual showing which included a 6th place finish in the final race.

Meanwhile, Gareth Jones, Eric Finstad and Rob Barrett, Laurentian's OUAA gold medal relay team, struck gold once again as they destroyed the opposition to win the men's 4x10km relay. In the individual races both Rob and Eric came away with a bronze medal each while Gareth, struggling through some personal difficulties, managed a top individual result of fourth place.

This group of skiers along with L.U. teammate Kim Chetwynd are planning to race in the upcoming Ontario Winter Games. These games will be held March 9th and 10th in Collingwood, Ontario.

Women's Nordic Ski Team

The Laurentian voyageurs also played host to the OWIAA Nordic Ski Championships this past weekend. Again it proved to be a very successful weekend for the Lady Vees. On Saturday Wendy Davis captured the individual women's gold medal. Diane Carlessen, Shannon Murphy, Patti Murphy, Natalie Farnenr and Kim Dhetwynd finished 13th, 15th, 18th, 19th, 21st, and 28th respectively. Then on Sunday the Laurentian Women A Relay Team captured the gold medal in the relay race. The Laurentian Women's B Relay Team placed a strong seventh. The Laurentian Women's Team finished in second place in the overall standings behind Carleton University who captured the overall team championship.



On February 23, the LU Nordic Ski Team, comprised of (from left to right) Shannon Dunn (top); Rob Barrett; Eric Finstad; Wendy Davis (top); and Gareth Jones, left for Prince Edward Island to compete in the Canada Winter Games. Laurentian is the only Canadian university to have 5 athletes in the Games.

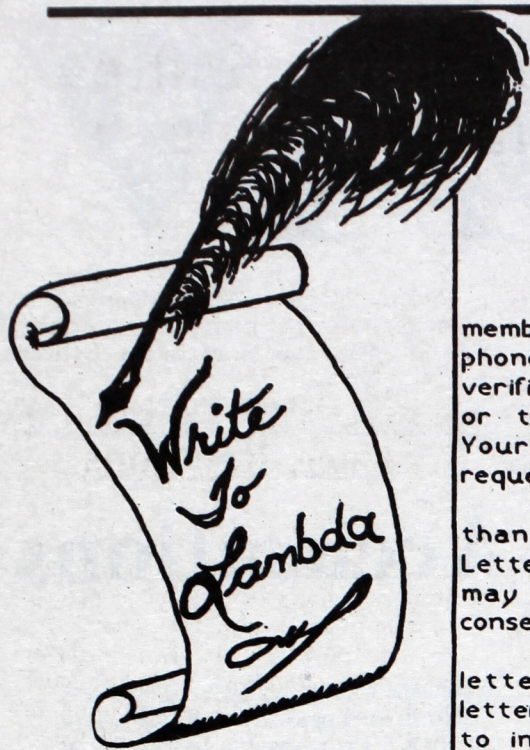
Laurentian Men's Nordic Team Captures OUAA Championship

The Voyageurs hosted the OUAA Championships this past weekend. Laurentian locked up 5th, 6th, 8th, 9th, 10th, and 36th place with strong finishes by Rob Barrett, Gareth Hones, Oliver Home, Kari Tikka, Eric Finstad and Greg Watson, respectively, in the men's

individual race. In Sunday's relay race the Laurentian Men's A Team captured the gold medal. The Laurentian Men's B Team finished a strong fifth. The two day race result times captured Laurentian the men's team the overall championship.

Congratulations!

NEWS



Lambda Letters Policy

Lambda accepts letters from all members of the university community. A phone number must be included for verification. Letters must be written or typed double-spaced and signed. Your name will be withheld upon request.

Letters must be received no later than the Friday before publication. Letters longer than two hundred words may be edited for length with the consent of the author.

Lambda will publish as many letters as space allows; however, letters which are libellous, or attempt to incite hatred or violence towards individuals or identifiable groups -- including women, lesbians and gays, ethnic or religious groups, and people with a disability -- will not be published.

Dear Editor,

My name is Richard Porter and I am a second year Commerce student at Laurentian. Before, I came to Laurentian the thought that I might one day become president of a housing cooperative would have seemed to be an obscure one at best. Nonetheless, since my introduction to this alternative method of housing I have started to see some possible advantages. I am originally from the Toronto area and see this as an alternative to the high cost of housing.

The potential for the cooperative movement in Toronto real estate market is unbounded. I feel this can be attributed to the substantial increases in the price of housing over recent years. There is now a trend which is enveloping the city where people are spending up to half of their monthly wage either on mortgages or rent. It is becoming harder and harder for single income families to get by on their wages. This dilemma will only worsen with time, as urban centres become even more densely populated with the migration of people to these metropolitan areas in search of jobs.

However, it is my hope that with understanding and time that cooperative housing will be seen as a viable alternative to the ever increasing problem of housing in the Toronto area. It is through this hope that I have become involved with Spirit Cooperative Homes. Because I can see a future for the cooperative movement in the housing sector. I feel that such a management skill should be expanded in order to allow people of all cultural backgrounds the

opportunity to experience and learn from the cooperative movement.

As acting president of Spirit it is up to myself and my board of directors to have the cooperative incorporated in order to receive federal financing. We as the board of directors are responsible for the choice of a land site upon which to build, as well as for the selection of architectural plans of building. The board is in charge of apartment allocation, which means that if there are any units which are to be adapted for use by people with special needs we are responsible for this. The board also acts as a membership selection group ensuring that each apartment is given to the most deserving of individuals or families. Lastly, the board of directors acts as a liaison to the general contractor to ensure that the work which has been authorized is completed with satisfactory results.

Spirit Cooperative Inc. has a planned completion date of some time in the spring of 1993, with a total unit capacity of 100 which will house up to 350 people.

It is my belief that the cooperative formula is a privileged tool to answer the need for Canadians to have access to a primary need- that of housing. I can only say that I am both pleased and proud to be part of the co op movement of Canada.

Thank you,
Richard Porter.

Dear Editor:

I am writing to you to voice my concern about the various cartoons that have been placed in Lambda recently. More specifically issue number 17 with the cartoon on the front page about carny week and on page 7 the two Operator Annie cartoon strips. These strips are derogatory, sexist and insulting to both women and men on the university campus. Since Lambda is a member of the Canadian University Press organization I am appalled to have this paper sent to other academic facilities. The strips are done by Mike Broach and I hope he enjoys insulting other students at Laurentian as well as himself. As a student I would like to request that you as the editor of Lambda use some discretion in choosing what apparently is funny! The Laurentian University Sexual Harassment Policy dated June 1988 states that the University should provide "a learning environment which is supportive

of ... the dignity and self-esteem of every student and employee". As the Editor you should be concerned about putting such derogatory articles in the paper, and I suggest that you no longer take advantage of Mr. Broach's artistic works.

Paul B. Hutchison
Member of Sexual Harassment Education and Complaints Committee (SHECC)

Lambda is governed by an open letter policy. However, we will not print any material which is deemed racist, sexist, homophobic, libellous or in bad taste. Due to this policy and based on the derogatory content of the following, Lambda Publications has made an editorial decision to no longer print Operator Annie and The Valley Boyz. We hope this decision is accepted and respected by Lambda readers.

T. B. Morgan

NOTICE TO ALL LAMBDA STAFF AND NEWLY ELECTED STAFF FOR NEXT YEAR:

Due to discrepancies in voting and procedure of voting tabulations during Lambda's staff elections held Tuesday February 26th, 1991, elections for the following positions must be held again.

On Tuesday, March 12th, 1991, at 4:30pm in the Lambda office, elections will take place for positions as follows:

Editor-In-Chief
Assistant Editor
Business Manager
Production Director
News Editor
Sports Editor
Entertainment Editor
Photo Editor
Circulation Manager

Nominations will not be re-opened.

Lambda apologizes for any inconvenience this may have caused and would like to thank its' readers for their support this year.

T.B. Morgan
Editor - In - Chief

DEAR EDITOR;

Please pass on my personal invitation to Keith Emiry and any other students not in residence to attend the year end LOCS formal at Cassio's on March 22 1991. There will be a buffet dinner and DJ afterwards tickets are available from me anytime. (522-0173)

Paul B. Hutchison

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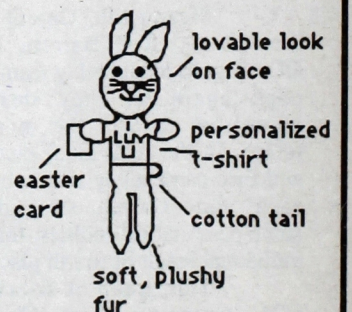
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Censorship versus Expression: Poetic Justice

By Peter Przychodzki

The fundamental problem with censorship is how it is intended to limit the cruelty of pornography while not infringing on the individual's right to freedom of expression. Canadians have the obligation to protect this right while confronting the realities of cruelty. There are, in fact, many views of censorship in Canada. On one hand, there is the extreme pro-censorship view often represented by religious fundamentalists. On the opposing side, is the position taken by ultra right wing groups like the Libertarian Party. This particular party is anti-governmental involvement, including the censorship board. In between these two points, there is a vast assortment of views. It is also within this grey area that solutions must be found.

Since the issue is complex, it cannot be solved by taking the oversimplified and limited position of the ultra pro-censorship groups. The kind of associations that may use the view taken by Joan Skeleton (a Canadian novelist from Thunder Bay) in her January 14th article in the Globe and Mail is invalid. Skeleton takes a flying leap based on her research, which she does not expose, and connects pornography to sad and singular extremists like Marc Lépine in the Montreal massacre. As unfortunate and horrific as the event was, one should not make the connection between pornography and genocide, especially when there is evidence stating that Lépine was a victim of family violence. Such assumptions are not very practical in solving the cyclical problem of violence. Especially when pornography is associated as the source of violence and not a factor that might have intensified the aggression.

Neither is the other extreme acceptable. The Libertarian party led by

Stanislaw Tyminski, well known for his Polish conquests, is against all government involvement in censorship. Such a stance is not acceptable either, since it would make Canada the market for everything from soft to snuff porn. Henceforth, there has to be a certain check on products involving cruelty, violence, murder, and abuse of any kind.

The problem develops when a censorship board must distinguish with regards to what portrayals of violence, cruelty, murder and abuse are acceptable. Where is the balance between limiting one's expression, to accommodate the social standards, without suppressing expression? The answer is simple: there is none! This balance must be decided by such a board arbitrarily. In fact, in many ways, such a decision is like a judgement in court with the exception that there are no attorneys accusing and defending one's expression. There is only the judgement. Perhaps there should be a quasi-judicial system designed to handle censorship in this manner. Of course, it would not be perfect. The entire process would be expensive and considerably slower in deciding the acceptability on one's expression.

Undoubtedly, the way to reach judgements will be through the questioning of reality of the censors and the anti-censors. These two oppositions will have to compromise and reach a consensus. The censors will have to realize that explicit eroticism does not cause violence. Liberal minded groups will have to realize that there is some limit as to what is acceptable. This will not be a perfect system, but neither is our current judicial system. There must be a balance between totalitarianism and anarchy to achieve any legitimate judgement.

Undergraduate Committee on Tolerance Holds First Meeting

Laurentian University supports the right of each student to fair treatment on campus. In exercising its responsibility as a provider of educational facilities, Laurentian endeavors at all times to provide a learning environment which is supportive of productivity, academic achievement and the dignity and self-esteem of every student.

As a pro-active measure, Laurentian created the position of Education and Employment Equity Coordinator and Personal Harassment Officer in July of 1991. One of the mandates of this position was to set up a mechanism which would monitor the climate for student life on the campus in regard to harassment and to work on educational activities for the prevention of discrimination. To this end, a new committee has been formed as part of the Council on Student Life. The members are as follows:

Earl Black
Elaine Boone
Dan Gravel
Lynn Lambert
Jody Mackinnon
Norma MacRae-Ward (Chair)
Lionel Magumbe
Prof. Herb Nabigon
Paula Lee Williams

The committee held its first meeting in February. The following mandate for the committee was approved: To monitor the environment of the University in terms of discrimination and tolerance; to promote respect of the individual and security of the person.

The committee had a good discussion about discrimination and reviewed related university policies. The committee then passed the following motion: "that the university policies should be publicized on a regular basis as a reminder to the university community."

The first one to be addressed is the University Policy on Race Relations, printed below.

If you have any questions or suggestions for the committee, please contact one of the members (listed above) or myself at extension 3422.

Norma MacRae Ward, Coordinator, Education and Employment Equity, Personal Harassment Officer.

University Policy on Race Relations

Laurentian University recognizes that the diversity of our community has brought cultural, social and economic enrichment to the campus.

The University also recognizes that racial minorities often encounter barriers to their full participation in society. The University is committed to equality of treatment and opportunity for all students and staff, and recognizes that a harmonious racial climate is essential to the future prosperity and social well-being of this institution.

Therefore, Laurentian University declares that:

I Every person has the right to a life free from racial discrimination and prejudice.

II The University will continue to take and active role in the elimination of all racial discrimination, including those policies and practices which, while not intentionally discriminatory, have a discriminatory effect.

III The University will also continue to oppose the overt manifestations of racism and to this end declares that:

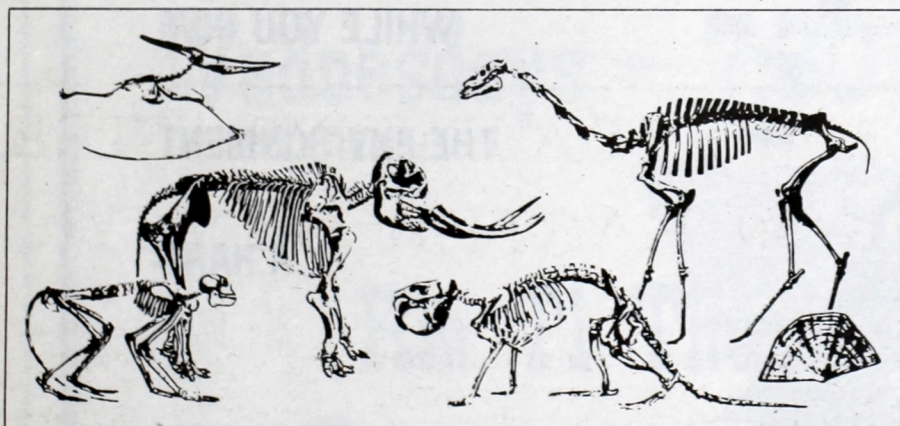
a) Racism in any form is not tolerated by Laurentian University

b) All doctrines and practices of racial superiority are scientifically false, morally reprehensible and socially destructive, are contrary to the policies of this institution, and are unacceptable.

c) The rights to equal treatment without racial discrimination guaranteed in the Ontario Human Rights Code will be rigorously enforced.

Approved by the Board of Governors, February 19, 1988.

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The Decline of The Athletic Renaissance

By: Peter Przychodzki

Serious sport has nothing to do with fair play. It is bound up with hatred, jealousy, boastfulness, disregard of all rules, and sadistic pleasure in witnessing violence: in other words, it is war minus the shooting

George Orwell,
Shooting an Elephant

Most children grow up thinking of the Olympics and the world of sports to be utopian. It transcends history through the experience of competitive spirit by the modern athletes and ancient Greeks alike. More importantly, the Greeks seemed to halt their conflicts every four years by having athletic games. The origin of the modern Olympic movement, at the eve of the century, symbolized a similar attempt at world peace. Alas, the birth of modern sport-heroism - the athletic renaissance - gradually deteriorating into an image building extension of nationalism. As adults, the same children quickly realized that athletics are, and remain, far from ideal.

In fact, all consequential sports become an extension of political struggle by athletic means. The boycott of the 1980 Moscow Olympics by many western powers, and the non-controversial Cuban boycott of the 1988 Los Angeles Olympics, epitomizes this reality. Although the political nature of these conflicts affects all people in variable degrees, they affect athletes most intimately. Athletes are the soldiers fighting another dirty war on a new front. Like many combatants in the no-man's land, they question the essence of the

conflict fought in major campaigns every four years.

Especially when the continuous rise of athletic standards and the increased corporate investment lead to an arms race. It advanced, among other things, the use of performance enhancing drugs and practices. Gradually, the individual struggle of each athlete became insignificant. The results and the placing became paramount. A veteran of amateur athletics in his 35th year of active duty as coach and athlete, presented reality in the most blatant manner to his athletes. "The world of athletics is feathered with bullshit" he summarized in a discouraging pre-competition pep-talk. Although the International Amateur Athletics Federation (IAAF) devised a system - similar in purpose to the Geneva convention - to deal with this matter. It is enforced nationally with variable rigidity.

The Canadian attempt at complying with the IAAF rule is random drug testing. Although it is one of the most elaborate drug tests; it is not entirely effective. Like any test, its scope is limited to the knowledge of its developers. The use of new illegal substances and practices cannot be detected until there is official recognition and a method of testing is devised.

The tests are usually conducted at homes of volunteers, slightly warming the otherwise unsympathetic institutional process. It requires the presence of an individual on the behalf of an athlete. After obtaining the urine sample, the liquid is poured from the plastic jar into two separate glass bottles by the athlete. While the remainder, in the jar, is tested

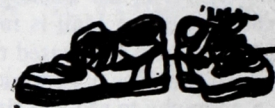
with Ph paper for acidity by a rubber-gloved official. To prevent leakage and tampering, the bottle tops are crimped, labelled and zipped into tightly foam-insulated vinyl packages. Then the zippers are secured by numbered plastic seals, randomly chosen by the athlete. Henceforth, the relating paper work is completed by all parties involved in the inquisition. Generally, the officials are humane and make the experience bearable. In spite of all the humiliation, athletes universally agree that "no news is good news."

Yet this system failed. After all, the purpose of the Dubin inquiry was the failure of testing and exposing Canadian athletics, while refocusing the media from the hypocrisy of the government and the people it represents to athletes themselves. The enquiry intensified Ben-bashing by forcing his confession. One has to question the justice of athletic records being taken from Canadians and given to East-Germans and Americans, the leading culprits in the arms race. Especially when the validity of the German inquiry into their athletics is questionable. Since their investigation is conducted without an oath, the ability to purchase positive test results in U.S. for price of \$125 000 should justify suspicions about American performances.

Individually, every athlete must do a great deal of soul searching to decide if the tainted athletic records and financial rewards of drug use will be sufficient to compensate for the wrath of the popular media in the event of detection. Every athlete must decide whether to compete disadvantaged or play anabolic roulette. Ben Johnson had to face the mob and

continues to experience its mood swings after his record breaking race in Seoul. Despite the possibility of sabotage, his positive test is unquestionable. His fall from grace was largely a Canadian phenomenon.

Russel Baker identified this sensation in his *New York Times* article on October 3rd, 1967. "In America [like in Canada] it is sport that is the opiate of masses." The reality of illegal performance enhancers must be accepted and the ongoing problems confronted. So far there is only a future-shock denial of reality, interrupted by systematic reprisals against Ben Johnson. Like the Romans - after having *bread and circus* - Canadians want blood, while ignoring their support to the very *Machiavellian* ideology that forces athletes into such drastic means. The athletes are merely the hybrid-products of our own materialistic reality. The personal attacks are useless and self-defeating. In fact, they demonstrate the gross decline of public morality resulting in hypocrisy.



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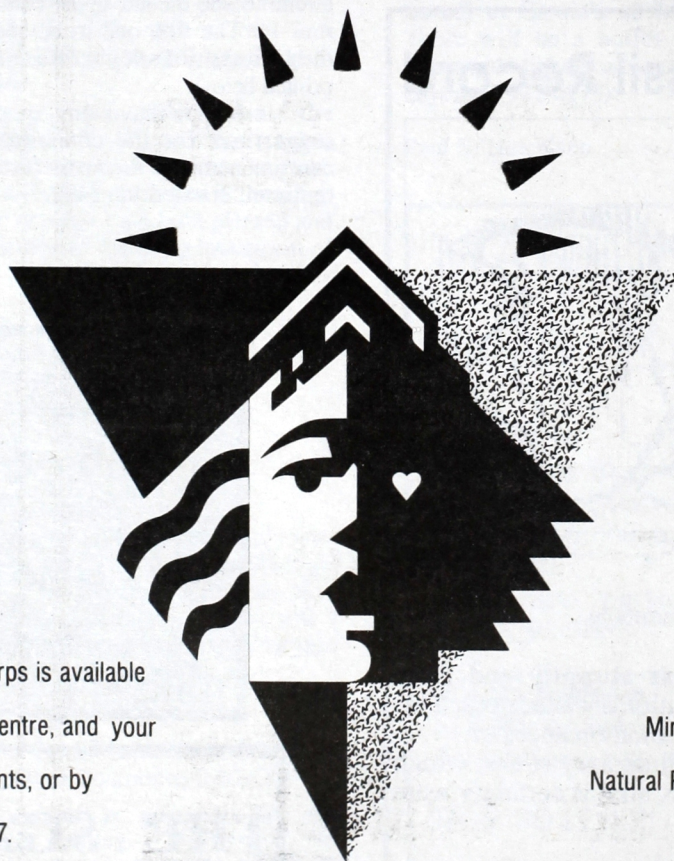
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Cette information est également disponible en français.

Attention SGA Council!!!

This means you... Marc Veno, Mark Green, Dawn Anderson, Kim Zegil, Al Clausi, Gary Cumming, Jody Edman, Dipa Patel, Donna Leach, Stacey Balakofsky, Darren Whalley, Kathy Heximer, Jimmy Wiggins, Alan Baggett, Joe Bowman, Randy Buchowski, Dean Gresdal, Rod Cribbie, Ron Malboeuf, Sean Fitzpatrick, David MacGuire, John Gibbons, Jodi MacKinnon, Donna Tom, Devina Hyde, Fabian Henry.



Hi! My name is BRYON MOORE and I am running for the position of Director of Finance. Tuesday March 12 at 5:30 is the next SGA council meeting and all of you will be voting for the person who will retain next year's Director of Finance position. I am encouraging you to attend this meeting to hear the speeches and use your voting power accordingly.

I am looking forward to this day and hope to see you all there.

Sincerely yours
Bryon Moore

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LAMBDA

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**Laurentian's Official Student
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Lambda is the official weekly student newspaper of, by and for the students of Laurentian University. Lambda is funded through a direct student levy by the members of the Students General Association, yet remains editorially autonomous for all University organization, both student and administrative.

Lambda is a member of Canadian University Press (CUP) and as a member respects and upholds the CUP statement of Principles and Code of Ethics.

The Lambda Forum is governed by an open letter policy. However, we will not print any material which is deemed racist, sexist, homophobic, libellous, or in bad taste. All letters must bear the author's full name, however, printing of names will be withheld upon request.

Staff membership is open to all members of the Laurentian University community and is contingent upon three published contributions, or fifteen hours of volunteer work per half term.

Copy Deadline :
Friday at 12:00 Noon

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Laurentian fee increases could hurt enrollment, says SGA president

By JIM BROWN

A tuition fee increase of eight per cent next year could be the final blow for some students considering enrolling at Laurentian University.

Marc Veno, president of the Students' General Association (SGA), is bitterly disappointed the Ontario New Democrats have failed to follow through on election pledges to make university education more affordable.

Laurentian's projected tuition fee increases could be announced as early as April when the university's board of governors meets.

Meanwhile, many potential students and returning students are having a difficult time finding jobs to help pay for their education, during "a deep recession," said Veno.

According to figures from Laurentian's treasury office, 1990-1991's general tuition fees of \$1639 could rise to 1770 by 1991-1992.

Engineering tuition fees could rise from \$1779 to 1921, said Veno.

"This is just another barrier to accessibility," he said.

Increased fees are inevitable since the province's operating grants to

universities, through the Ministry of Colleges and Universities, have increased by just 7.3 per cent.

"That money is being absorbed by inflation and pay equity. It's not going towards students. There's a decrease in real dollars," said Veno.

But the university doesn't have much choice, he admitted.

Cutting programs and staff to reduce fee hikes will lead to further overcrowding and deterioration in the quality of education, said Veno.

Laurentian has about 4000 undergraduate students, 200 graduate students and 5000 part-time and correspondence students.

But the fee hikes are "contrary to NDP policy," said Veno. He claims the New Democrats, while in opposition, promised they would freeze tuition fees.

Despite the government's promise to improve university funding, Ontario's universities are ranked ninth in the country in per-student funding.

The above article appeared in Northern Life on March 3, 1991 and was reprinted by permission.

The Geology Club is providing half-hour free video shows on Thursday, **March 14** and **March 21** at 1:00 to 1:30 in room F335, Science II, above the Science Cafeteria Floor.

Title: **The Facts of Evolution: A Conversation with Dr. Stephen Jay Gould**, Museum of Comparative Zoology, Harvard University.

Dr. Gould is the author of seven best-seller books on evolution, including his latest 1990 book "This Wonderful Life". He explains, in a straight-forward manner, how life has evolved on planet Earth, touching on the major evolutionary discoveries of the last decade, the evolution of mankind, mass extinction of dinosaurs, the age of the earth, etc.

On March 21 this will be followed by Richard Leakey, talking on the cradle of human evolution in Africa.

Campus Employment Centres Win Reprieve

Ottawa -- Giving in to pressure at the local and federal levels, Employment and Immigration Canada has postponed its decision to stop funding of the campus employment centres at the University of Calgary and Laurentian University in Sudbury. In the case of the University of Calgary, the federal government has announced that current assets will remain in place and that it will provide \$50 000 in operating funds for the coming year. Laurentian's centre will continue to receive funding for three years, with funding being reduced by 30% each year.

"The Federation is happy to see that we're finally getting through to the federal government with regards to the employment centre issue. This is an example of what effective lobbying can do", said Jane Arnold, national chairperson of the Canadian Federation of Students (CFS).

The decision to extend funding comes after several months of efforts, both by CFS representatives in Ottawa and student members at the local level. At a January meeting with Marcel Danis, Minister of State (Youth), CFS made the case for on-campus employment centres. Minister Danis, the Minister responsible for campus employment centres, assured the Federation that each case would be examined on an individual basis. CFS escalated its campaign, working in conjunction with members of the Liberal and New Democrat parties in Ottawa, while coordinating campus activities.

Students at both Calgary and Laurentian wrote thousands of letters to Danis and participated in a phone-in campaign aimed at Conservative MPs, and Danis' office in Ottawa. Across the country, students are organizing numerous activities in reaction to Employment and Immigration Canada's intention to close all its on-campus employment centres.

Laurentian University Teaching Excellence Award 1990-91

Eligibility

To recognize outstanding teaching performance, Laurentian University has established a Teaching Excellence Award. Full-time faculty members may be nominated for the Award if they:

- have been successful in one or several areas of teaching
- have the support of several constituencies -- for example, students, peers, alumni, and administrators, rather than only a single constituency;
- are judged to be "outstanding", rather than merely "very good";
- appear to have had an effect upon student learning or cognitive development rather than merely being popular with students;
- have stimulated students to pursue post graduate training;

Criteria

Although members of the Selection Committee are free to weigh different aspects of teaching and different sources of evidence, preference is given to the following criteria:

- comprehensive knowledge of subject
- preparation for class
- enthusiasm for subject
- encouragement of student participation
- ability to motivate and maintain high standards
- ability to stimulate interest in the subject matter
- effective communication
- fairness in evaluating students
- accessibility to students outside of class

Selection Committee

The Selection Committee will have nine members. Each of the four Academic Faculty Councils and of the four Student Associations will elect a representative to the Selection Committee. The Vice-President, Academic (Faculty and Services) will chair the Committee.

Procedures

- Sponsor(s) must obtain the nominee's written consent so as to help to assemble a complete file
- Nominations are invited from individuals, informal groups of faculty or students, or both, and such organizations as faculty and student councils.
- No standard form of submission is required. It is the sponsors' responsibility to provide sufficient evidence from as many sources as possible, to make it clear that outstanding work deserving of recognition has been done. A teaching dossier of at least the last two years must be included.
- Evidence of outstanding performance includes the following: formal questionnaires for student evaluation of teaching, student petitions, testimonial letters from students, alumni, fellow faculty members or administrators, endorsements from faculty and/or student councils, objective measures of student learning, including committee-marked final exams and standardized tests, course outlines, methods of evaluating students and any other relevant information.
- The Award will be bestowed only when evidence of outstanding performances found.
- Letters of nomination with full supporting documentation should be sent to the Office of the Vice-President, Academic (Faculty and Services) before March 31 1991. The dossier must be complete.
- The successful candidate will be honored at the Spring Convocation.
- The winner will become eligible again for the Award only after her/his sabbatical has been completed.

Award

The award will be in the form of a top-up of the sabbatical leave stipend to a maximum of 100%.

LOCS GENERAL MEETING AND ELECTION

MARCH 19, 4:30PM
IN CONFERENCE ROOM B

MAKE A DIFFERENCE

POSITIONS OPEN:

PRESIDENT
VICE-PRESIDENT
SECRETARY
SPECIAL EVENT
COORDINATOR
LIASON

CONTACT: 522-0173

"CFS" will continue to exert pressure nationally and locally", concluded Arnold. "Success at Calgary and Laurentian demonstrates that coordinated efforts can pay off".

In response to this recent announcement from CFS, Marc Veno, President of the SGA would like to extend his heartfelt gratitude to all students faculty, and an administration who rally together in opposition to the closure of the CECOC (You know who you are, so give yourselves a pat on the back).

I would also like to use this announcement in support of SGA's recent decision to continue its membership in CFS/OFS. They are not perfect organization but they do work.

Also, the decision to keep the CECOC open for 3 more years illustrates the lobbying petition you the student body has over regional municipal/provincial federal government as well as L.U. administration. So if you have a beef, get up off your butts and do something about it. You can make a difference and remember **if you didn't vote don't bitch**

Your soon to
be replaced
SGA President
Marc Veno

BILLBOARD

Rotary Foundation Scholarships

Each year the Rotary Foundation awards more than 1000 scholarships for study abroad in more than 60 nations. This year, the Rotary Club of Sudbury would like to award two scholarships to outstanding university students who reside or attend school in the Sudbury region.

The main purpose of the scholarship program is to contribute to global harmony by sending people abroad for one years academic study.

The value of the scholarship which includes transportation, tuition, meals and lodging is approximately \$10,000. Brochures and applications for the March 15th deadline may be obtained by contacting Rotarian Norm Stoner at 675 8307 or the awards department of Laurentian University.

PA UPDATE

What are the peer assistants up to now you ask? Well, here you are:

1) Please fill out the complaint form. I know I have heard many complaints about LU. Now is your opportunity to write them down, send them to the Centre for Talent Development and we will do what we can! Take this opportunity while it is available.

2) Peer assistants are working on a proposal for SGA Council concerning another Reading Week before Christmas. We want to inquire as to why some universities have one and others do not. If you have any input please contact the Centre for Talent Development.

Sudbury Women's

The Sudbury Women's Centre, 258 Victoria Street, is holding a potluck dinner and discussion for International Women's Day on Friday, March 8, 1991. The theme is "Women and Peace in the Middle East". The dinner is from 6-7pm, and the discussion will begin at 7:30pm.

For more information, please call 671 1050 between 8:30am and 4:30pm. Childcare is available.

Chinese Student's Association - Yearbook

This year, the Chinese Student's Association is working very hard to complete their yearbook. However, we need your support. Those of you who are interested in submitting articles are free to do so. We would appreciate hearing from you. These articles could be opinions, personal experiences, or even poems. For more information contact:

Charity Wong at 688-9802
Jessica Ng at 674-2341 or
Fatima Lam at 671-2062.

Also, it is time to get the badminton racquets and old running shoes out for the CSA's upcoming event. The CSA is having a badminton tournament on Saturday, March 16th, 1991 at the Phys Ed. Department. It will start at 1:00 and will end at 5:00. The costs are as follows:

For a single or Double game,
\$2.00 for members and
\$4.00 for non-members
For both a single and double games,
\$3.00 for members and
\$5.00 for non-members.

Those of you, who are interested to play, contact the numbers written above!

Thank you!
Jessica Ng

OPEN LETTER

TO: All Full-Time Students

FROM: Doug Goldsack, Dean, Faculty of Science & Engineering
Jon Gonder, Dean, Faculty of Social Sciences
Charlotte Neff, Dean, Faculty of Social Sciences
Pierre Roberge, Dean, Faculty of Professional Schools

The purpose of this letter is two-fold.

The first is to let you know, well in advance, that all full-time students who intend to return to Laurentian next September will be required to Advance Register during the period mid-July to mid-August.

Secondly, in order to ensure that your Advance Registration goes as smoothly as possible, we have designated the period March 18 to March 28 for Advance Registration Counselling.

You should make an appointment now to meet with your Academic Advisor during the counselling period. Your Advisor will assist you in selecting courses for next year, resolving problems you might have in meeting degree requirements, and suggesting options which are open to you.

This is not a formal commitment to register for next year, but a counselling session. It is in your best interests to take advantage of this opportunity -- don't miss it!

Good luck with your studies.

ADVANCE REGISTRATION COUNSELLING

MARCH 18 TO MARCH 28, 1991

MAKE AN APPOINTMENT NOW TO SEE YOUR
ACADEMIC ADVISOR
(SCHOOL DIRECTOR, DEPARTMENT CHAIR)

CONSULTATION DE PRÉ-INSCRIPTION

DU 18 AU 28 MARS 1991

PRENEZ DÈS MAINTENANT RENDEZ-VOUS AVEC
VOTRE CONSEILLER D'ÉTUDES
(DIRECTEUR DE L'ÉCOLE OU DU DÉPARTEMENT)

Peer Assistance Complaint Form

1. Type of Complaint

Academic
Administrative
Services
Residence
Other _____

2. Description of Complaint

3. Do You Wish to be Contacted?

Yes

No

If Yes - Name _____
Phone Number _____

4. Date _____

Return to:

Centre for Talent Development G-7 Student
Street either in person or through Campus mail

GET BETTER MARKS!! Qualified graduate will tutor you in English, assist you with assignments (humanities & social science), edit papers, help you prepare for exams. Resume service also. Reasonable rates, free initial consultation. Call 673-5015.

Wanted:

Someone with a truck who can go to Hanmer and pick up a loveseat for me. I will pay for gas and I will help you. Call, 673 6548 or 522 4578.

Laurentian Campus Security
call

673-2661 (after hours)
673-6562

*** for services, escorts at night, etc.**
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ARTS & ENTERTAINMENT

The Prairie

There is the Prairie, the dazzling Prairie!

From the weeds tall along the barren pit
Twinkling light appeared and disappeared,
As sun glinted from bowed stalks
And frost blackened leaves
This soil is rich! The graves stand among the grasses.

The day grays, its light withdrawing from winter
Just the prairies' edge is luminous
The tinting green of northern lights
Slowly shades and fades against the nights
The prairies face more nights, slip darkness over.
Light then dark, then light again
Over the prairies, lies rapt and endless silence

The town, a swarming sound is there! Now and then
Some sound distinct and separate in the night
It had something to do with dying and being born
Loving something, being hungry were part of it too.
There was a meadow lark, a baby pigeon and calf with
two heads
Ben was part of it, so was Mr. Digby.

From each person stretched back a long line
- Hundreds and Hundreds of years -
Each person stuck up.

He turned back
Town was gray and, low upon horizon
It layed - Not real swathed - in bodyless mist
A gray ghost half dissolved
Light glows evening where it lies

The moon pale in the afternoon sky.
Day grays, as shadow melts across
The light withdrawing from winter

High above, the wind wings on bereft and wild
Its lonely song, turning in silent frenzy upon itself,
Breathing up to soil and tumble weed skeletons
To carry them on its spinning way over the Prairie
It ridges drifts and licks their ripples off
It smothers crests, piles snow against fences,
And out to the far line of the sky,

And out to the dazzling Prairie.

Inspired by W.O. Mitchell
Peter Przychodski

PEER TUTORING

Applications are invited from 2nd, 3rd, and 4th year students who are interested in becoming tutors. Applicants should have earned a 'B' in the course to be tutored, and have an overall 'B' average in their most recent year. Part-time students are also eligible.

We pay \$6.00 an hour for 1:1 tutoring.

Applications area available at:
The Centre for Talent Development
G-7 Student Street, SSR.
673-6506




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Spanish Breezes Dance Group to Perform at Laurentian University

As part of the festivities for Modern languages Week, being celebrated at Laurentian University March 1-8, 1991, Sudbury's acclaimed Latin American dance group Spanish Breezes will perform at the University's Fraser Auditorium, Friday, March 8th, at 7 p.m.. The public is welcome to attend.

The group, composed of 20 young people of Hispanic American and Canadian heritage, performs dances from a dozen Latin American countries. All dances feature authentic music and painstakingly crafted costumes to give the full flavour of these spirited folk performances.

The March 8th performance will include dances from Argentina, Brazil, the Caribbean, Chile, Colombia, Ecuador, Mexico, Paraguay and Venezuela.

Spanish Breezes is directed by Salome Avila, an accomplished former dancer who toured internationally with the Ballet Municipal, Ballet Universitario and Danzas Maracaibo of her native Chile. She founded Spanish Breezes to bring the beauty of Latin American dance to Canadians of all backgrounds, and to keep alive its traditions among young people of Hispanic American heritage.

Tickets, available at a nominal cost of \$2 in advance or \$3 at the door, can be purchased from Laurentian University's Department of Modern Languages by calling 675-1151, ext. 4336.

LIFE IN HELL

©1991
By MATT GROENING



SPORTS

OWIAA All Stars Announced

Laurentian University women's basketball team has three players named to the OWIAA East Division All Star Team. Dianne Norman, Chantal St. Martin, and Sue Stewart were named to the team. Chantal is a fifth year veteran of the Laurentian Lady Vees. Dianna and Sue are both in their second season with the Lady Vees. Dianne was also named the OWIAA East Division MVP. These three players have had a great season for the Laurentian lady Vees.

The OWIAA also announced its basketball coach of the year: our very own Peter Ennis of the Laurentian Lady Vees was selected as OWIAA 1990-91 Basketball Coach of the Year. This is Peter's second consecutive year as coach of the year.

CONGRATULATIONS!

Peter, Dianne, Chantal and Sue.

OUAA All Stars Announced

Laurentian University men's basketball team has three players named to the OUAA East Division Central Section All Star Teams. Norm Hann, was named to the First Team All Stars. Norm is a third year veteran of the Voyageurs. John Campbell and Rod Gilpin were named to the Second Team All Stars.

John is a fourth year veteran of the Voyageurs. Rod Gilpin is a fifth year veteran of the Voyageurs. These three players have had a fabulous season for the Laurentian Voyageurs.

The OUAA East Division Central Section also announced its coach of the year: Laurentian University's very own, Peter Campbell, is the OUAA EAST Division Central Section 1990/91 coach of the year. This is Peter's sixth season with the Voyageurs. This is his THIRD time as coach of the year.

CONGRATULATIONS!

Peter, Norm, John and Rod.



Attention:
The 1991
Belly Flop/
Cannonball
Competition
has been
cancelled.
Sorry.



Laurentian Basketball Teams Going to CIAU's

Women's Basketball



The Lady Vees successfully defended their O.W.I.A.A. basketball title in the O.W.I.A.A. Championships held at Brock this weekend. They earned the right to defend their O.W.I.A.A. title with a 75-33 win over Guelph Tuesday night in the quarter finals. Chantal St. Martin led the Lady Vees with a game high 19 pts. Their opposition for the semi-finals Friday evening was provided by the 11-1 McMaster Marauders, second in the OWIAA West Division. The Marauders turned in a strong first half against the defending National Champions, and trailed only 30-29 at the break. The second half was a different story, however, as the Lady Vees raised their game to a level that McMaster could not match and when the final buzzer sounded, Laurentian had earned a berth in the OWIAA Championship with a 74-59 victory. Carolyn Swords was the game MVP with a strong game at guard for the Lady Vees, and Chantal St. Martin registered a team high 19 points. In Saturday's final, Laurentian put their undefeated record on the line against the University of Western Ontario Mustangs.

The Lady Vees fell behind early in the first half, but rebounded behind the play of game MVP Chantal St. Martin to lead 32-28 at the half. The second half saw the Lady Vees extend their lead, and when time expired, the Lady Vees had won their second straight O.W.I.A.A. Championship, 59-48. Chantal St. Martin again led the Lady Vees, this time with 20 points, and was named MVP of the Tournament. Carolyn Swords was named to the tournament All-Star team. The Lady Vees continue their quest for a second straight national title this weekend in the CIAU Championships at the University of Laval.

Top Scorers for Laurentian:

Chantal St. Martin	19
Carolyn Swords	17
Dianne Norman	12

MOLSON MVP: Carolyn Swords

Sat., Mar 2: Western 48 vs Laurentian 59

Top Scorers for Laurentian:

Chantal St. Martin	20
Dianne Norman	14

MOLSON MVP: Chantal St. Martin
20 pts, 9 rebs

Good Luck to the Women's and Men's Basketball Teams at the CIAU Championships



Men's Basketball

The Men's Basketball team hosted the Queen's Golden Gaels in the Central division semi-final Friday evening. The Voyageurs trailed 11-4 early in the first half, but calmed their jitters during the subsequent time out and came back to lead by a slim three point margin at halftime. The Vees maintained that lead until Chris Fischer blocked two consecutive Queen's shots from the paint shifted the momentum dramatically in Laurentian's favour. The Vees turned up the heat, and put themselves into Sunday's O.U.A.A. Central division final with an 88-73 victory. Norm Hann had 25 points for the winners and his brother Brad Hann added 15. Sunday's Central Division final would pit the Voyageurs against the University of Toronto Blues, winners of the other Central semi-final Friday night over York. The game was played before a standing room only, decidedly pro-Laurentian crowd, with a berth in the CIAU Championship going to the winner. The noise was constant from the opening tip-off, and the Voyageurs responded with a huge game. Laurentian dominated from the start, building up an early 10 point lead. Toronto cut it to 4 midway through the first half, but the Voyageurs

lengthened it to 11 points, 35-24, at the half. The second half was tense, as Toronto again cut the lead to just 4 points. The Voyageurs responded by reaching back for something extra and putting the game out of reach. They took another 10 point lead, and when the smoke cleared, they were headed to Halifax for the CIAU Championships with a 77-62 victory. The Voyageurs travel to Concordia Wednesday for a re-match with the defending National Champions in the OUAA East Championship. Both teams are headed for Halifax, but their pride remains on the line in what should be a great match-up. The winner travels to the OUAA West winner on Saturday for the Wilson Cup game.

Fri., Mar 1: Queens 73 at Laurentian 88

Top Scorers for Laurentian:

Norm Hann	25
Brad Hann	15
Brad Rollo	12

Sun., Mar 3: Toronto 62 at Laurentian 77

Top Scorers for Laurentian:

Norm Hann	19
Rod Gilpin	13

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SPORTS

Laurentian Men's Basketball



L.U. men advance to O.U.A.A. Championships



Sudbury Women's Soccer Club

Soccer season is slowly approaching and it will be time to take out the old cleats out of the closet. The Sudbury Women's soccer Club is looking for new members. If you enjoy playing soccer and would like to play for a summer recreational team, please contact:

Jessica Ng at 674-2341

ATTENTION TIMMINS STUDENTS

Now hiring CREW CHIEFS and Painters for summer employment in the Timmins Area.

Application forms are now available at the Student Employment Centre.

or contact:

Darlene at (705) 688-9875

or

In Timmins call (705) 268-0663

L.U. Soccer Team Vs. Team Nova In Florida During Spring Break.....

Guess who won??????



Coach Gregg Zorbas gives Rob Pavone instructions to kick Nova butt during half time.



Nick Milanovich in a tough battle against Nova teamsters.

PROMINENT ENTREPRENEURS NIGHT

FOR THOSE OF YOU WHO LIKE TO HEAR IT DIRECTLY FROM THE WINNERS, SUCCESSFUL ENTREPRENEURS FROM OUR COMMUNITY WILL COME TO LAURENTIAN TO TELL YOU THEIR STORIES.

PRESENTED BY THE LAURENTIAN ENTREPRENEURS' CLUB

FOR FURTHER DETAILS CALL US AT 675-1151 EXT. 1068 OR LOOK FOR POSTERS ALL OVER CAMPUS.

Track and Field

The Track and Field team travelled to the OUAA/OWIAA Indoor Championships this weekend. The team performed well, with new school records set by the Men's 4x800m relay team (8:05.98) and the Men's 4x200m relay team (1:34.98). The Women's team was led by Christina Melaney, who placed second in the Shot Put. The CIAU Championships are next weekend, and Laurentian has three athletes competing: Christina Melaney and Joanne Archambault in the shot put and Denise Carriere in the 60m hurdles.

Top Finishers for LU:

- Christina Melaney	Shot Put 2nd
- Joanne Archambault	Shot Put 7th
	10.67m
- Maureen Stapleton	600m 6th
	1:38.42
- Paul Van Sickle	1000m 8th
	2:34.44
- Men's 4x800m relay team	
	6th 8:05.9
- Men's 4x200m relay team	
	7th 1:34.98
- Men's 4x400 relay team	
	8th 3:35.07

Men's Hockey

The Hockey Vees travelled to Waterloo Tuesday to face the Wilfrid Laurier Golden Hawks in sudden death playoff action. The Vees were short several key players due to injuries and suspensions, but were riding a three game winning streak going into the contest. The Voyageurs had an excellent game, but were unable to convert on several scoring opportunities, and as a result came out on the short end of a 7-4 score. Game MVP Glenn Greenough had a strong game for Laurentian, scoring once, as Laurentian got goals from four different players.

Tue., Feb 26: Laurentian 4 at Laurier 7
Goal Scorers for Laurentian:

Dave Hyrsky
Bill Campbell
Ken Heinrich
Glenn Greenough

MOLSON MVP:

Glenn Greenough

Field Hockey

The Indoor Field Hockey team competed in the OWIAA Indoor Championships this weekend. They played five games, emerging with a 2-3 record. In their first game Saturday they defeated Waterloo by a score of 2-0. This was followed by consecutive defeats; 3-0 by York and 1-0 at the hands of the University of Western Ontario. They had two more games Sunday, earning a split with a 5-2 defeat of Trent, and a 3-1 loss to Guelph.

Game 1: Waterloo 0 vs Laurentian 2
Scorers for Laurentian:

Lisa Andrew
Pam Hartnett

Game 2: York 3 vs Laurentian 0

Game 3: Western 1 vs Laurentian 0

Game 4: Trent 2 vs Laurentian 5

Scorers for Laurentian:

Stacey Bean 3
Lisa Andrew 2

Game 5: Guelph 3 vs Laurentian 1

Scoring for Laurentian:

Lisa Andrew

Laurentian Swimmers Have Personal Best at CIAU's

Laurentian University sent two swimmers to CIAU's in Halifax this past weekend. Jody Nicholson and Campbell Hastings represented the Laurentian swim team. Both swimmers recorded personal best times in all their events.

Jody Nicholson

200m Freestyle	2:10.28mins
	7th Consolation Final
800m Freestyle	9:17.83mins
	7th Final
100m Freestyle	1:01.72mins
	didn't place

Campbell Hastings

100m Backstroke	59.24secs
	didn't place
100m Freestyle	52.74secs
	didn't place



Good Luck to the Track and Field Team at the CIAU Championships at Windsor: March 8-9



Laurentian University Athlete of the Week

Name: Chantal St. Martin

This week's Laurentian University/Pizza Hut Athlete of the Week honours go to Chantal St. Martin, center for the Women Basketball Team. Chantal led the Lady Vees to three playoff victories and their second consecutive OWIAA Championship this week. In Tuesday's quarter final versus Guelph, Chantal scored 19 points and grabbed 4 rebounds in the Lady Vees 75-33 win. Chantal again led Laurentian with 19 points in Friday's semi-final against McMaster, as the Lady Vees Defeated the Marauders 74-59. Against Western in the OWIAA Championship Chantal snagged 9 rebounds to go with another 20 points to earn tournament MVP honours as Laurentian took the title 59-48. Chantal is a 5th year Health Promotion student at Laurentian, and is in her 5th season with the Laurentian Lady Vees. Chantal is a native of Sudbury.

Congratulations to Chantal St. Martin Laurentian University/Pizza Hut Athlete of the Week.

Labatt's SPADLINE TRIVIA #12

- What Sports Arena was Rocky Balboa's big-break fight held at in the Motion Picture "Rocky"?
A) Madison Square Garden
B) The Spectrum
C) Caesars Palace
D) The Kronk Gym
- Paul Azinger was disqualified as a result of moving some pebbles from a water hazard after the first round of this year's Doral Open. Who initiated this disqualification?
A) A.T.V. Viewer
B) Jack Nicklaus
C) Jack Nicholson
D) Tournament Director Mike Shea.
- Which former Toronto Blue Jay has the distinct honour of playing the most games in a Toronto uniform?
A) Ernie Whitt
B) Lloyd Moseby
C) Tony Fernandez
D) Buck Martinez

SPADLINE

Live, from Sudbury, this is SPADLINE. Answers to Trivia #11 are as follows. Question one had you name the NHL tough guy who led his team in penalty minutes as well as goals last season. The answer is the Whaler's Pat Verbeck. Question 2, the Centennial Cup was donated to Hockey Canada in the early 70's and was originally called the Manitoba Cub. Question 3, Mark Tewksbury is a backstroke specialist. He recently set a new world record in the 100m backstroke.

The SPAD Curling Bonspiel, set for tomorrow is filled to capacity with each team eagerly awaiting to hear that first broom slap the ice, way to go D'Arcy.

The Toronto Maple Leaf Hockey Pool has produced more winners, including Bob Wanzel who was a \$100.00 winner on February 13 as was Don Edey of Huntington who picked up his \$10.00 win on February 27. Don not forget to contact a SPAD REP for T.O. Hockey Pool Tickets and join in on the winnings.

And now on to LABATT'S SPADLINE TRIVIA Edition #12.

Handguns actually boost murder rate, study finds

By Sally Johnston

Residents of the United States are about fifteen times more likely than Canadian residents to die by the bullet, according to research by two Trent University psychology professors.

Canada's stricter gun controls are "unquestionably" the reason for the difference between the two countries, says Catherine Sproule, one of the researchers.

"Handguns are a negligible cause of homicides in Canada, while in the

United States they are a major cause," she says.

In a comparison of American and Canadian homicide rates between 1977 and 1983, Sproule and her colleague Deborah Kennett showed that each year an average 0.28 out of every 100,000 Canadian were killed with handguns compared with 4.05 of every 100,000 Americans.

The researchers were not surprised that their study showed the overall American homicide rate was higher

than Canada's.

"It's widely accepted that the U. S. is a more violent society," says Sproule.

But she and Kennett were not prepared for the massive difference in the methods of murder.

"Sixty-five per cent of the difference in homicide rates between Canada and the United States is accounted for by the use of handguns," she adds.

In the United States, handguns account for more killings than do other types of firearms or non-shooting methods.

The opposite is the case in Canada, where more people are killed by beating and stabbing than with handguns or other firearms.

Sproule and Kennett point to the differences in the gun control laws in the two countries to explain this.

Handguns in Canada are restricted by the federal Criminal Code. Canadians can legally own one only if they obtain a firearms acquisition certificate from the police. Generally, this permit is issued only to security guards, gun collectors and members of

rifle and pistol clubs.

The certificate entitles an individual to purchase either a handgun or certain types of semi-automatic weapons (those that fire single shots but reload automatically).

Fully automatic firearms, so-called machine guns, which fire bullets in rapid succession as long as the finger is pressing the trigger, are prohibited in Canada, except for a few gun collectors.

It's generally much easier to buy a handgun in the United States, says Sproule. Gun control laws there are determined by each state, and even in states where handguns are restricted people often obtain them from states with more liberal laws.

Handguns facilitate murder because, unlike semi-automatics, they can be easily concealed, and because it's easy to use them, says Sproule.

"It's much harder to strangle someone than to shoot them."

Sproule says that the "typical American homicide" involves two young men in a bar brawl. The fight

escalates and one man has a handgun in his pocket. He pulls it out and fires.

"There would have been a less lethal altercation if he didn't have a gun."

This study supports their earlier research, in which they examined the effect of Canada's new legislation, restricting the ownership of all firearms, and the abolition of the death penalty in 1976.

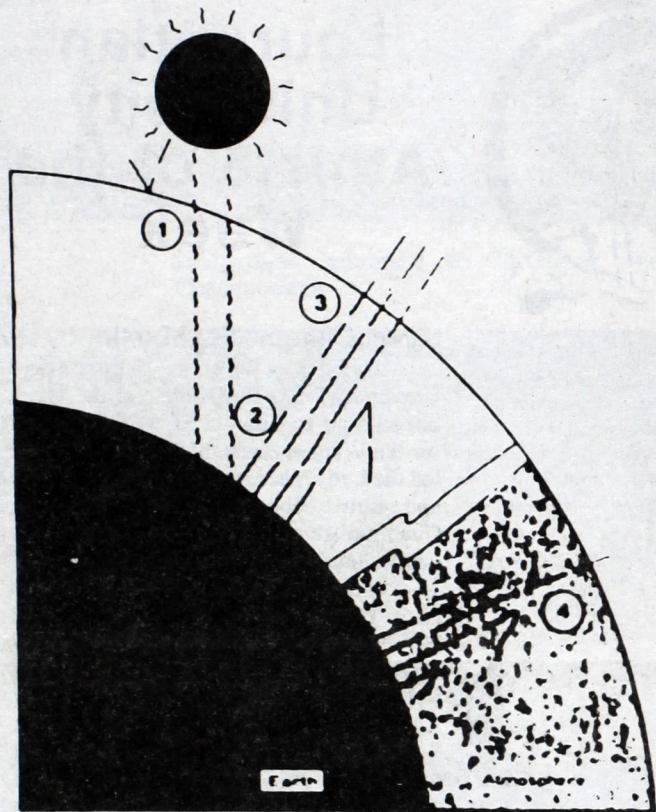
That study showed a significant decrease in the use of all firearms in homicides from an average 1.38 victims per 100,000 population each year between 1972 and 1976 to an average 1.10 victims per 100,000 between 1977 and 1982. The researchers were unable to get statistics specifically for handguns.

Still, Sproule says their findings support the federal government's proposal to further tighten gun controls.

Sproule also wants semi-automatics to be banned. "These are Rambo-style weapons. They have no use other than for killing people," she states.

(Canadian Science News)

'Greenhouse Effect' will warm the Arctic



The 'Greenhouse Effect': 1) solar energy enters atmosphere; 2) solar energy is absorbed by the earth and then reradiated back to space; 3) greenhouse gases absorb the heat and reradiate it back to earth, acting like an insulating blanket; 4) in high concentrations, greenhouse gases trap much reradiated heat, causing global warming. (Dr. Barrie Maxwell, AES)

By John Eberlee

Average winter temperatures in the Canadian Arctic could increase 8 to 10 degrees Celsius if global warming scenarios prove accurate, says an Environment Canada scientist.

The change could be a boon to tourism and industry, but a threat to Native people and wildlife, the researcher adds.

The combination of melting ice and snow as well as Arctic temperature inversions could result in a dramatically enhanced 'greenhouse effect', says Dr. Barrie Maxwell, head of Arctic Climatology at the Atmospheric Environment Service.

Scientists are predicting significant climate change in the next century because of alterations in the composition of the atmosphere. Since the mid-1800s, the proportions of carbon dioxide, methane, and other heat-trapping 'greenhouse gases' have risen steadily, as people burned more fossil fuels and brought more land under cultivation.

Computer-based climate models indicate that if these trends continue, the average global temperature may increase by 1.5 to 4.5 degrees Celsius over the next five decades.

Conditions unique to the Arctic suggest its winter temperatures will increase even more, says Maxwell. "Right now, solar radiation tends to be reflected by snow and ice before it can warm the ground. As global temperatures increase, however, snow

will begin to melt and a feedback situation may develop," he says.

"As snow and ice disappear, more energy will be absorbed [by the ground]. As more is absorbed, more melting will occur."

Temperature inversions may enhance this effect, he adds. In winter, the Arctic air mass is characterized by a narrow layer of warm air close to the earth's surface, which prevents heat from escaping into the outer atmosphere. In other words, energy radiated by the earth remains near ground level.

Maxwell says these processes will probably have a profound impact on the lives of northerners. People who earn their living from tourism should benefit the most, as warmer temperatures translate into shorter winters and longer summers. Higher temperatures could cause a northward migration of fish, creating a fisheries industry. And melting sea ice may encourage an increase in shipping and oil exploration.

For Natives who hunt and trap, however, the future looks bleaker. Again, animal migration patterns will likely shift north. "On the mainland this isn't a problem, but in the Arctic islands it may be," Maxwell says. "For example, if sea ice disappears, and there's a severe snowfall one year, we might see whole populations of caribou trapped on islands that can't support them."

(Canadian Science News)

Tendency to obesity genetic

By Carolyn Hoskins

An unusual study of identical twins, done at Quebec's Laval University, may help scientists understand why some people can eat inordinate amounts and stay thin while others seem to gain weight with the slightest dietary indiscretion.

The results seem to indicate that individual genetic differences may determine what happens to excess calories; some people store them as fat, usually as pot bellies or 'spare tires', while the lucky ones just lay down more lean muscle.

Dr. Claude Bouchard, Professor of Exercise Physiology, studied 12 pairs of male identical twins, all in their early twenties and living in the Province of Quebec. None had a history of obesity.

After a two-week baseline study period to determine each individual's caloric need to maintain their present

weight, the twins were fed a controlled diet of 1000 extra calories per day, six days per week, for 100 days. They were housed in a closed section of a dormitory on the Laval campus and were under 24-hour supervision by members of the project team. They were allowed no alcoholic beverages and only sedentary activities, such as watching TV or playing cards, plus an outdoor walk of only 30 minutes per day. At the end of the study period, the men had consumed a total of 84,000 extra calories.

The individual weight-gain differences were huge, Bouchard says. The average gain was 8.1 kilograms; but the range was from a low of 4.3 kilos to a high of 13.3. The leanest man stored only 40 per cent of the extra calories on his body, but the fattest stored every single one, say the researchers. "Some people are just more metabolically efficient in

handling the extra calories."

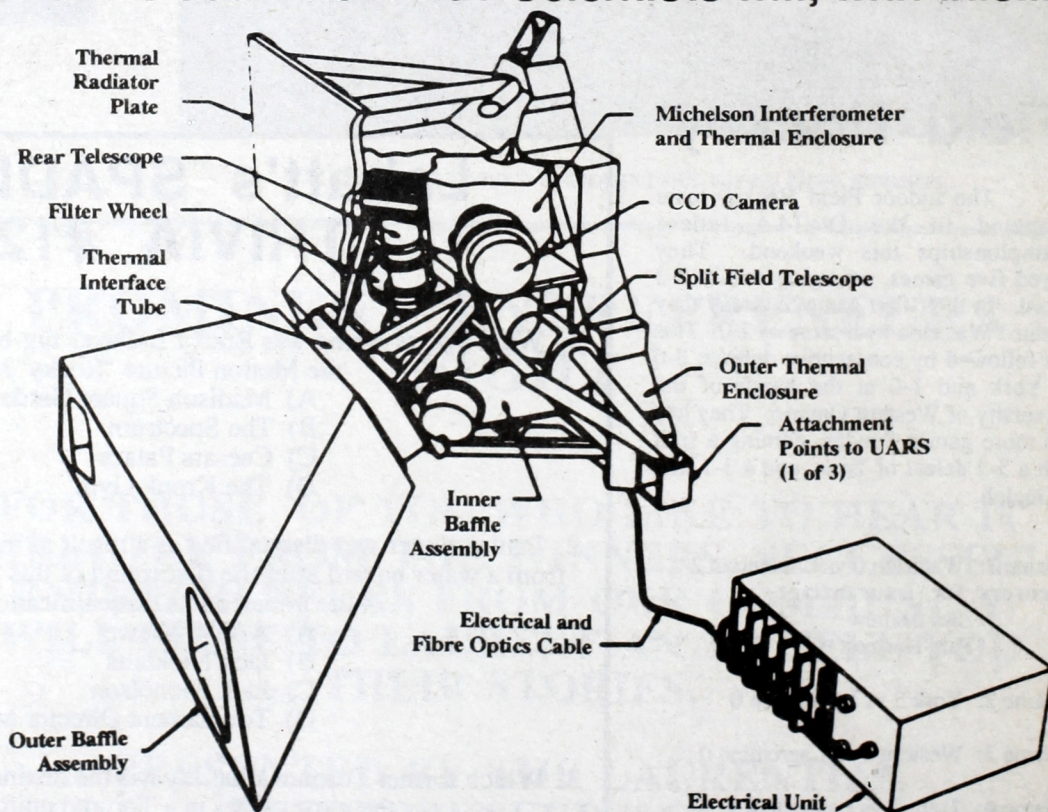
But most fascinating of all was the finding that the differences between pairs of twins were three times higher than the differences within the pairs. In other words, if one twin of a pair tended to gain weight, his sibling did as well, and vice versa. Twins also tended to put on weight in the same location, either belly, bottom, or waist.

Since identical twins presumably have identical genes governing their metabolisms, the finding suggests that there is a genetic factor in both whether people put on weight and where they put it on. The study has given additional solid evidence to the widely-held belief that obesity is at least partly inherited.

Funding for the study was provided by the U.S. National Institutes of Health.

(Canadian Science News)

Who has seen the wind? Scientists will, with this...



This Canadian-designed and -built 'Wind Imaging Interferometer' is one of several instruments that will be flown on an American research satellite in the 1990s. It observes auroral and other atmospheric 'glows' and translates the data into measurements of wind velocities and temperatures. (Photo: Canadian Astronautics Ltd.)

(Canadian Science News)